Marine Chemistry, 39 (1992) 331–332
Elsevier Science Publishers B.V., Amsterdam

Contents of *Marine Chemistry*, Volume 39

Vol. 39 Nos. 1–3 September 1992

Special Issue: Marine Organic Geochemistry: Review and Challenges for the Future

Foreword
J.W. Farrington (Woods Hole, MA, USA) 1
Overview and key recommendations. 5
Steering committee members and working group chairpersons 11
List of participants 13

Water column working group report 15
Sediment diagenesis working group report 27
Macromolecular organic matter working group report. 39
Biomarker and molecular paleontology working report 51

Background Review and Prospectus Papers
Global biogeochemical cycles: progress and problems
J.I. Hedges (Seattle, WA, USA) 67
Organic matter in the water column: future research challenges
C. Lee (Stony Brook, NY, USA) and S.G. Wakeham (Savannah, GA, USA) 93
Early diagenesis of organic matter in marine sediments: progress and perplexity
S.M. Henrichs (Fairbanks, AK, USA) 117
Macromolecular material (humic substance) in the water column and sediments
R. Ishiwatari (Tokyo, Japan) 149
Prospective use of molecular paleontology to test for iron limitation on marine primary productivity
F.G. Prahl (Corvallis, OR, USA) 165
Physical chemistry of organic compounds in the marine environment
P.M. Gschwend (Cambridge, MA, USA) and R.P. Schwarzenbach (Dubendorf, Switzerland) 185
Importance of isotope measurements in marine organic geochemistry
E.R.M. Druffel (Woods Hole, MA, USA) and P.M. Williams (La Jolla, CA, USA) 207
Examining large databases: a chemometric approach using principle component analysis
R.R. Meglen (Denver, CO, USA) 215
Sampling and experimental challenges for the next decade in marine organic chemistry — a prospectus
S.G. Wakeham (Savannah, GA, USA) 237

Vol. 39 No. 4 October 1992

Research Papers
Metal ion content in *Sepia officinalis* melanin
C. Sarzanini, E. Mentasti, O. Abollino, M. Fasano and S. Aime (Torino, Italy) 243
The hydrophobic fraction of organic matter in the Krka River Estuary
V. Vojvodić and B. Ćosović (Zagreb, Croatia). 251

Species-specific differences in intact wax esters of *Calanus hyperboreus* and *C. finmarchicus* from Fram Strait — Greenland Sea
M. Graeve and G. Kattner (Bremerhaven, Germany) 269
Evaluation of the indophenol method to measure NH_4^+ in extracts from coastal marine sediments
M.J.C. Laima (Aarhus, Denmark) 283
Carbon tetrachloride and methyl chloroform as tracers of deep water formation in the Weddell Sea, Antarctica
M. Krysell (Göteborg, Sweden) 297
Determination of nutrient salts by automatic methods both in seawater and brackish water: the phosphate blank
X.A. Alvarez-Salgado, F. Fraga and F.F. Perez (Vigo, Spain) 311

Book Review
Chemical Oceanography 321

Announcements 323

Guide for Authors 325